

High Performance Composites

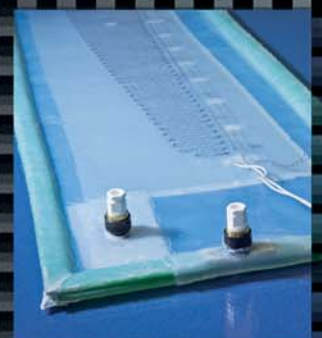
by **Axson**
TECHNOLOGIES

VACUUM BAGGING

Cured silicone :
SVB 20 for prepreg

Re-usable vacuum bags offer several advantages:

- Mouldable and sprayable
- Reusable bag
- Translucency
- Non-stick, elastic for easy demoulding
- Accurate replication
- Durable and chemical resistant



ISO 9001



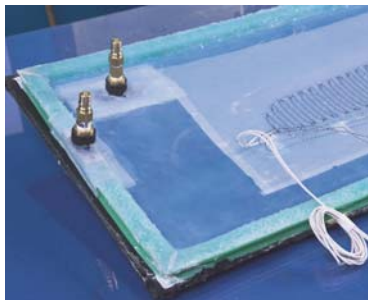
ISO 14001

The heating tool consists of a rigid mould in EPOLAM 2092 Axson epoxy infused carbon or in metal, which provides the part with its geometry, and a flexible heating counter-mould projected in the exact shape of the part in Axson SVB20 Silicone.

The principle of heating the two parts of the mould enables sandwich parts to be created (thermal insulation).

The fact that this tooling can operate independently encourages the creation of large moulds, while economising on large dimension autoclaves.

- Addition cure.
- Low viscosity.
- Easy sprayable.
- High quality reproduction.
- Extremely fast room temperature cure (SVB 20).
- Short demoulding time (SVB 20).

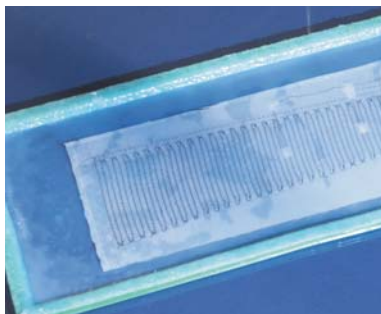


Heating bag making

Silicone bag	Application	Elongation at break (%)	Hardness (Shore A)	Pot life (mn)	Viscosity (mPa.s)
SVB 20	Specifically developed to produce a silicone bag on molds used for the processing of composites. Slow setting version is available.	500	20	3	15000
SVB 20 SC		500	20	60	15000

Mould making

Infusion	Application	Ratio	Tg (°C)	Pot life (mn)	Viscosity (mPa.s)
Epalam 2092 + twill 2/2 Carbon 600g/m ²	Low viscosity and high TG, specially made for infusion system.	100/30	200	250	300
		Initial cure (°C)	Post cure	Shelflife at 20°C	Tg (°C)
Preg low T°C HX42	Low temperature curing epoxy resin system for aerospace and industrial tooling component applications.	50 to 80	4 hours at 190 °C	5 days	200



Part making

Carbon prepreg	Application	Initial cure (°C)	Post cure	Shelf life at 20°C	Tg (°C)
Preg E722	Setting modified epoxy resin component prepreg.	1 hour at 120°C	-	1 month	112
Colle EF72	Setting modified epoxy structural adhesive film.	1 hour at 120°C	-	1 month	112



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More information and downloads available on the Website: www.axson.com

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